HIEU ETHAN DOAN

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🐙 github.com/EdoanRadiance   **Active Security Clearance: Top Secret/SCI**

Education

The University of Texas at San Antonio   **Aug 2021 – May 2025**
Bachelor of Science in Computer Science   *GPA: 3.23*

The University of Texas at Dallas   **Aug 2025 - May 2027**
Master of Science in Cybersecurity, Technology, and Policy   *GPA: N/A*

Technical Skills

Languages: Python, C, Java, SQL, Shell, JavaScript, CSS, HTML, LaTeX
Developer Tools: AWS, Git, Android Studio, VS Code, Adobe Dreamweaver
Technologies/Frameworks: ReactJS, Flask, PyTorch, Scikit-learn, NumPy, Pandas, Seaborn, TensorFlow, Keras
Databases: MySQL, AWS, SQLite
Concepts: Software Development, Cloud, Software Design Patterns, Github, DevOps, Agile, AI, Machine Learning

Experience

Radiance Technologies   **Jun 2024 – Jul 2024**
Network Engineering Intern   *On-SITE Joint Base San Antonio*
- Gained experience with **Agile** frameworks (Scrum, Jira, Kanban, Scrumban, and XP), leveraging adaptability to drive efficient and collaborative project management and software development.
- Researched and implemented **5G** cellular network simulations using **VMware** virtualization, successfully deploying two iterations to validate network performance, scalability, and security in controlled environments.
- Supported the management, testing, and maintenance of DoD Cellular on Light Truck (COLTs) systems, ensuring secure and reliable mobile communication for mission-critical operations.

Projects

Chess.AI | *Python, JavaScript, HTML/CSS, Flask, Custom AI Algorithms, GitHub*
- Spearheaded the design and development of a full-stack chess web application featuring a custom-built chess engine with robust move generation and rule enforcement.
- Engineered an intelligent **AI** opponent using Minimax with alpha-beta pruning and deep-copy board simulation for precise check/checkmate detection, ensuring optimal decision-making.
- Crafted a responsive and interactive front-end with **JavaScript, HTML, and CSS** to with **FLASK** to deliver real-time board updates and an engaging user experience.

Phishing URL Detection AI

| *Python, Scikit-Learn, TensorFlow, Flask, AWS (EC2, API Gateway), GitHub*
- Developed a machine learning-powered web application for detecting phishing URLs using decision trees and deep learning models, achieving a **96%** accuracy rate in classification.
- Engineered a feature extraction pipeline to analyze **29** URL attributes, leveraging domain-based, HTML/JavaScript-based, and statistical features for enhanced detection.
- Implemented a hybrid detection model combining handcrafted features with deep learning, improving identification of false positives and false negatives.

Foodie E-Commerce System | *React, Node.js, Express, MongoDB, AWS (EC2, S3), GitHub*
- Collaborated in developing a dynamic online shopping platform utilizing **React** for the front-end and **Node.js** with Express for back-end services, ensuring a responsive user interface and efficient server-side operations
- Integrated **MongoDB** for scalable data storage, deploying it on AWS to leverage cloud services for enhanced performance, reliability, and scalability.
- Utilized **AWS** EC2 instances for application hosting and AWS S3 for media storage, optimizing performance and scalability.

Leadership / Extracurricular

Epic Movement UTSA   **August 2023 – Present**
President   *The University of Texas at San Antonio*
- Personally led and drove a membership increase of over **800%**, growing the organization from 6 to over 60 active members within two years through strategic recruitment and engagement initiatives.
- Organized and coordinated over **50** campus events, increasing visibility and fostering a sense of community among members.
- Managed the organization's yearly budget, ensuring financial sustainability and responsible allocation of resources. Increased yearly fundraising from $0 to nearly $500 per semester